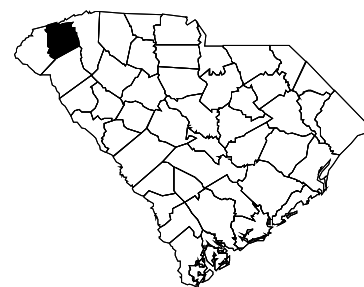


IMPACT OF CHRONIC CONDITIONS PICKENS County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Pickens county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Pickens county's population is similar to the state population. The majority (43%) of the population in Pickens county are between the ages of 18-44. There is an equal distribution of males and females. Pickens county has a lower minority population (9%) than the state (31%). When adults in DHEC's Region 2, which includes Pickens County, were asked about their general health status, 84.1% reported having excellent, very good, or good health in 2005 (SC was 82%).

	PICKENS COUNTY	STATE
Population size	113,575	4,255,083
Age distribution (%)		
<18	22	24
18-44	43	38
45-64	23	25
65-84	11	11
85+	2	2
Race (%)		
White	91	69
Black & Other	9	31
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Pickens County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	29	22
Sedentary lifestyle	25	26
Overweight	69	65
High Cholesterol	35	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.2	.	.	.	.	31.7
Number of hospitalizations	44	16	28	24	20	5,032
Crude rate of hospitalizations (per 100,000)	39	162	27	42	35	118
Median age of hospitalized patients	57	57	57	57	67	57
Total cost of hospitalization (\$)	636,600	186,400	450,200	370,800	265,800	109,400,500
Average length of hospital stay (days)	3	4	3	3	4	5
Number of ED visits	175	31	144	80	95	7,466
Crude rate of ED visits (per 100,000)	154	315	139	141	167	175
Median age of ED patients	57	52	57	52	62	52
Total cost of ED visits (\$)	196,000	30,800	165,200	73,300	122,700	9,929,000
Number of deaths**	5	1	4	1	4	423
Age-Adjusted Death rate (per 100,000)**	4	15	4	3	6	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.3	.	.	.	.	4.1
Number of hospitalizations	1,704	156	1,548	922	782	60,901
Crude rate of hospitalizations (per 100,000)	1,500	1,584	1,492	1,624	1,377	1,431
Median age of hospitalized patients	67	67	67	62	72	67
Total cost of hospitalization (\$)	57,402,000	5,271,300	52,130,700	34,007,500	23,394,500	2,286,836,400
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	494	50	444	263	231	12,989
Crude rate of ED visits (per 100,000)	435	508	428	463	407	305
Median age of ED patients	67	62	67	62	67	62
Total cost of ED visits (\$)	1,472,200	157,800	1,314,400	840,500	631,700	42,115,900
Number of deaths**	270	23	247	136	134	9,328
Age-Adjusted Death rate (per 100,000)**	238	360	232	288	196	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.2	.	.	.	.	3
Number of hospitalizations	316	22	294	158	158	13,925
Crude rate of hospitalizations (per 100,000)	278	223	283	278	278	327
Median age of hospitalized patients	72	70	72	67	77	72
Total cost of hospitalization (\$)	7,838,700	690,600	7,148,100	3,675,500	4,163,200	384,441,600
Average length of hospital stay (days)	6	7	6	4	8	6
Number of ED visits	103	9	94	44	59	2,515
Crude rate of ED visits (per 100,000)	91	91	91	78	104	59
Median age of ED patients	67	67	67	67	72	67
Total cost of ED visits (\$)	337,000	27,500	309,500	158,100	178,900	9,113,000
Number of deaths**	70	5	65	31	39	2,440
Age-Adjusted Death rate (per 100,000)**	63	71	62	70	58	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	400	38	362	173	227	15,753
Crude rate of hospitalizations (per 100,000)	352	386	349	305	400	370
Median age of hospitalized patients	62	47	62	62	62	62
Total cost of hospitalization (\$)	4,999,700	464,200	4,535,500	1,952,000	3,047,700	268,425,300
Average length of hospital stay (days)	4	4	4	4	5	5
Number of ED visits	1,046	152	894	422	624	36,543
Crude rate of ED visits (per 100,000)	921	1,543	862	743	1,099	859
Median age of ED patients	42	32	47	47	42	37
Total cost of ED visits (\$)	1,087,200	136,600	950,600	456,100	631,100	40,613,700
Number of deaths**	64	1	63	32	32	1,968
Age-Adjusted Death rate (per 100,000)**	57	15	59	68	51	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.3	.	.	.	.	10.3
Number of hospitalizations	150	18	132	79	71	9,027
Crude rate of hospitalizations (per 100,000)	132	183	127	139	125	212
Median age of hospitalized patients	47	60	47	47	42	52
Total cost of hospitalization (\$)	2,708,800	337,100	2,371,700	1,640,200	1,068,600	179,747,700
Average length of hospital stay (days)	5	5	5	6	4	6
Number of ED visits	215	31	184	87	128	9,603
Crude rate of ED visits (per 100,000)	189	315	177	153	225	226
Median age of ED patients	52	57	47	52	47	52
Total cost of ED visits (\$)	265,200	39,100	226,100	108,200	157,000	13,447,300
Number of deaths**	13	3	10	7	6	1,183
Age-Adjusted Death rate (per 100,000)**	11	43	9	16	9	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	407	27	380	206	201	16,389
Crude rate of hospitalizations (per 100,000)	358	274	366	363	354	385
Median age of hospitalized patients	62	67	62	62	62	62
Total cost of hospitalization (\$)	16,011,000	865,500	15,145,500	8,229,500	7,781,500	664,309,500
Average length of hospital stay (days)	7	7	7	7	7	8
Number of deaths**	190	17	173	93	97	8,617
Age-Adjusted Death rate (per 100,000)**	167	267	162	185	156	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	41	2	39	21	20	2,070
Crude rate of hospitalizations (per 100,000)	36	20	38	37	35	49
Median age of hospitalized patients	62	65	62	67	57	67
Total cost of hospitalization (\$)	1,823,600	119,600	1,704,000	982,300	841,300	101,377,700
Average length of hospital stay (days)	8	8	8	7	8	10
Number of deaths**	12	1	11	6	6	812
Age-Adjusted Death rate (per 100,000)**	11	19	10	14	9	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	36	6	30	-	36	1,228
Crude rate of hospitalizations (per 100,000)	63	122	58	-	55	56
Median age of hospitalized patients	57	70	57	-	57	62
Total cost of hospitalization (\$)	686,100	105,100	581,000	-	686,100	26,163,000
Average length of hospital stay (days)	2	2	2	-	2	3
Number of deaths**	20	2	18	-	20	651
Age-Adjusted Death rate (per 100,000)**	32	48	32	-	32	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	1	1	-	2	192
Crude rate of hospitalizations (per 100,000)	4	20	2	-	4	9
Median age of hospitalized patients	50	72	27	-	50	47
Total cost of hospitalization (\$)	19,900	9,000	10,900	-	19,900	4,668,500
Average length of hospital stay (days)	1	1	1	-	1	4
Number of deaths**	1	-	1	-	1	63
Age-Adjusted Death rate (per 100,000)**	2	-	2	-	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	55	2	53	21	34	2,181
Crude rate of hospitalizations (per 100,000)	48	20	51	37	60	51
Median age of hospitalized patients	67	65	67	67	67	67
Total cost of hospitalization (\$)	2,112,000	83,600	2,028,400	804,100	1,307,900	92,775,300
Average length of hospital stay (days)	8	7	8	7	8	9
Number of deaths**	67	4	63	37	30	2,703
Age-Adjusted Death rate (per 100,000)**	59	67	59	74	49	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	-	33	33	-	1,209
Crude rate of hospitalizations (per 100,000)	58	-	64	42	-	58
Median age of hospitalized patients	67	-	67	67	-	62
Total cost of hospitalization (\$)	907,400	-	907,400	907,400	-	30,356,600
Average length of hospital stay (days)	3	-	3	3	-	4
Number of deaths**	6	1	5	6	-	460
Age-Adjusted Death rate (per 100,000)**	13	30	11	13	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others

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